



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Acemetacin Product Information

Product Number ACE-20260205
Batch Number ACE-SH2026020501
Brand SIGALD
CAS Number 53164-05-9
MDL Number MFCD00058564
Formula $C_{19}H_{16}ClNO_6$
Molecular Weight 389.79 Da
Quality Release Date 05 FEB 2026

Test Results

Test	Specification (USP/EP Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Free-flowing crystalline powder	-	Visual Inspection
Assay (HPLC, dry basis)	≥ 99.0%	99.6%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	150-153°C	151.8°C	°C	Capillary Melting Point Apparatus
Loss on Drying	≤ 0.5%	0.23%	%	Gravimetry (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.04%	%	600°C Ignition Method
pH Value (1% aq. suspension, 25°C)	5.5-7.0	6.2	-	Digital pH Meter
Heavy Metals (Pb)	≤ 10 ppm	1.4 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.3 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride (Cl ⁻)	≤ 0.01%	0.003%	%	Volumetric Method
Sulfate (SO ₄ ²⁻)	≤ 0.01%	0.002%	%	Turbidimetric Method
Related Substances	≤ 0.5%	0.10%	%	HPLC
Total Aerobic Microorganisms	≤ 100 CFU/g	23 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Particle Size (Pass through)	≥95% 100 mesh	98%	-	Sieve Analysis
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with USP/EP and pharmaceutical raw material industrial standards and meets all specified requirements. It is qualified for use in pharmaceutical preparations, anti-inflammatory analgesic formulations and scientific research applications.

Issue Date:05 FEB 2026